

Title (en)
ENDOVASCULAR GRAFT WITH THROMBOGENIC COATING

Title (de)
ENDOVASKULARES IMPLANTAT MIT THROMBOGENER BESCHICHTUNG

Title (fr)
IMPLANTS ENDOVASCULAIRES AVEC UN REVETEMENT THROMBOGÈNE

Publication
EP 1267952 B1 20080709 (EN)

Application
EP 01927386 A 20010306

Priority

- US 0140255 W 20010306
- US 51924600 A 20000306

Abstract (en)
[origin: WO0166161A1] An endovascular graft, e.g., having both an expandable stent portion and a stent cover portion positioned within and/or surrounding the expandable portion, the graft itself and/or a stent cover portion being coated with a bioactive agent adapted to promote initial thrombus formation, preferably followed by long term fibrous tissue in growth. The endovascular graft addresses concerns regarding endoleaking by permitting the graft to be deployed and used in a manner that promotes a short term hemostatic effect in the perigraft region. This short term effect can, in turn, be used to promote or permit long term fibrous tissue ingrowth. Particularly where the stent cover portion is prepared from a porous material selected from PET and ePTFE, the bioactive agent can include a thrombogenic agent such as collagen covalently attached in the form of a thin, conformal coating on at least the outer surface of the stent cover. An optimal coating of this type is formed by the activation of photoreactive groups provided by either the cover material itself, by the bioactive agent itself, and/or by a linking agent.

IPC 8 full level
A61L 27/16 (2006.01); **A61L 31/00** (2006.01); **A61F 2/84** (2006.01); **A61L 27/56** (2006.01); **A61L 31/04** (2006.01)

CPC (source: EP US)
A61L 27/16 (2013.01 - EP US); **A61L 27/56** (2013.01 - EP US); **A61L 31/048** (2013.01 - EP US); **A61L 2430/36** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0166161 A1 20010913; AT E400307 T1 20080715; AT E475436 T1 20100815; AU 2001253841 B2 20051201; AU 5384101 A 20010917; CA 2400653 A1 20010913; DE 60134724 D1 20080821; DE 60142717 D1 20100909; EP 1267952 A1 20030102; EP 1267952 B1 20080709; EP 1974757 A1 20081001; EP 1974757 B1 20100728; JP 2003525704 A 20030902; MX PA02008497 A 20050826; US 2007173922 A1 20070726; US 2007179589 A1 20070802; US 2007191936 A1 20070816; US 7220276 B1 20070522

DOCDB simple family (application)
US 0140255 W 20010306; AT 01927386 T 20010306; AT 08012112 T 20010306; AU 2001253841 A 20010306; AU 5384101 A 20010306; CA 2400653 A 20010306; DE 60134724 T 20010306; DE 60142717 T 20010306; EP 01927386 A 20010306; EP 08012112 A 20010306; JP 2001564813 A 20010306; MX PA02008497 A 20010306; US 51924600 A 20000306; US 72837307 A 20070326; US 72841507 A 20070326; US 72846707 A 20070326